

ILLEGIB

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ATROL SYSTEM ONLY

TCS-9286-65
3 August 1965

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DECLASSIFICATION REVIEW by NIMA/DOD 4/12/00

MEMORANDUM FOR: Chairman, Deployment Working Group, GMAIC

SUBJECT: MREM/IREM Facilities

REFERENCE: GMAIC Requirement 2-6
(NPIC Project 11025-6)

1. This memorandum is in response to your requirement dated 29 June 1965 which requests analysis of MREM/IREM deployed facilities and the R&D facilities at Kapustin Yar/Vladimirovka Missile Test Center to provide photographic intelligence for input to the Office of National Estimates for NIE 11-8-65.

2. Each section of the accompanying enclosures is keyed by a letter which corresponds to an item of the specific requirement.

3. This project is considered to be complete.

25X1A

Enclosures:

Sections A-H

5 vu-graphs (with Copies 1-6 only) (under separate cover)

Distribution:

25X1A

1&2-TCO/Army
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19-OPNAV 922Y3
20-Army/SPAD
21-DIAXX-3A (w/enc)
22-DIAXX-5C (w/enc)

5-14562

A.

With the exception of the 9 singly deployed sites, 3 of which have been abandoned during the past year (Ref: NPIC PIR TCS-80612/65, May 65) there has been, through [REDACTED] no evidence of abandonment of any completed site nor evidence of dismantling of buildings at incomplete or inactive sites. In a detailed review of all sites, it has been determined that one soft site, Krolovets #3 (TDI Name: Bereza) was not completed, construction apparently having stopped after the completion of two launch pads, although preliminary work had been started on the remaining two. At this site and seven other sites one or two missile ready buildings were found to be absent. However, in all cases these represent structures not built, rather than dismantling of previously erected buildings. Throughout the review, activity has been noted at all sites throughout the winter period, including considerable construction completions and starts. The majority of this construction appears to have been in the erection of multi-story, wall-bearing barracks-type buildings as opposed to the existing single story wood frame type existing at most sites. Other construction appears to be primarily garages; this would not be inconsistent with the final stage of site construction. No determination has been made of the final normal number of garages at a site, although the norm appears to be four to five. A very notable exception is the Kurgancha Complex, where both sites 1 & 2 have eight with a ninth under construction at Kurgancha 2 (TDI Name: Kurgancha 1) during [REDACTED]. A recent development has been the identification of two sets of storage tanks approximately [REDACTED] at soft MREM sites. These are sited on opposite sides of a road in the technical section with one group of three opposing a group of two. A low earth mound is visible on three sides of each set of tanks with another low mound across the front having access to the tanks at both ends. Photo quality does not permit recognition of this installation

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at all sites; however, there are indications the tanks exist at more than now confirmed. It appears these tanks were installed [REDACTED]

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B

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Eight-one Fixed field sites were reviewed on KEMIOLE [REDACTED]

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[REDACTED] Unidentified activity was observed at six sites

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on [REDACTED] and at one site on [REDACTED]. No activity

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was observed at any site between [REDACTED]

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Four sites showed activity on [REDACTED]. No determination

was possible as to the origin of equipment observed at active sites. Two

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probable SS-4 missiles on transporters were observed on [REDACTED]

at the Dobeles Army Barracks Northwest. Activity was observed at the Dobeles

Fixed Field Site No. 1 concurrently. No evidence of permanent construction was

observed at any Fixed Field Site.

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D

Launch Complex II presently consists of a launch area still under construction, which is enclosed by a single fence measuring 705 by 590 feet.

The launch area contains two road-served launch pads measuring approximately

25X1D 150 by [REDACTED] with a 475 center to center separation. The long axis of the

25X1D pads have an azimuth of [REDACTED] degrees which is unique in that access azimuth of the other SSM pads is 0, 45, 90 or 135 degrees. There is also an earth-covered drive-in control bunker centered between and behind the pads. As of

25X1D [REDACTED] neither the pads nor the access road had been concrete surfaced. A roughly circular revetment approximately 35 feet in diameter is located at the forward end of the SW pad. There are two buildings along the access road just outside the fence line. One, adjacent to the fence, is a security gatehouse and measures 35 by 20 feet. The other measures 20 by 15 feet.

25X1D The complex was first observed under construction in [REDACTED]

25X1D [REDACTED]

25X1D [REDACTED] the area was fenced, the two small structures were present and the SW pad and the control bunker were under construction. The second or NE pad was

25X1D first observed in [REDACTED] Other than the circular revetment

25X1D no change has been noted in the launch pads since [REDACTED]

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E

25X1D No evidence of activity at Launch Complex E has been observed since it
25X1D was adjudged complete in [REDACTED]. Some vehicle trackage
has been observed both within and encircling the site but the only vehicles
observed [REDACTED] coverages have been
less than 20 feet in length and apparently are small support vehicles.

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F-1

Launch Area 1C has had extensive expansion and modification since

25X1D [REDACTED] when the 2 newer launch pads (1C-2 and 1C-3) were first observed under construction. These launch pads, which are rail-served, measure 175 by 130 feet and have a 525-foot center to center separation. They are each aligned on an azimuth of approximately 45 degrees. Each pad has a center section measuring approximately 90 by 85 feet which

25X1D contains a rail-served erector measuring approximately 60 by [REDACTED] Two probable conduits extend from the front of each pad for a distance of approximately 150 feet to an earth mound or bunker. The probable conduits are on approximately azimuths of 0 and 90 degrees.

25X1D Construction activity observed in [REDACTED] revealed a conduit extending from each pad to the original 1C control bunker.

The first evidence of the rail-served erectors on the new pads was in

25X1D [REDACTED] when an object was on [REDACTED]

25X1D probable erectors were on both pads. The approximate 60 by 10 erector on

25X1D launch pad [REDACTED] and was gone from 1C-1

25X1D [REDACTED] Launch pads 1C-2 and 1C-3 were probably complete by

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F2

25X1D Numerous changes and additions have taken place at Launch Site 4C-1 since [REDACTED]. These changes and additions appear to be associated with the northeast (right front) and southwest (left rear) silos.

25X1D The 40 by 25 foot structure measuring approximately 65 feet high on [REDACTED] over the right front silo can now be seen to be mounted on the rails extending from the silo to the cover. Cross rails intersect these rails at 90 degrees near the silo cover and are probably transfer rails for moving the structure off the primary track thereby enabling the cover to move back over the silo. The track area and probable hold area for the structure have been concrete surfaced since [REDACTED]. Coverage of [REDACTED] showed the structure moved down the rails near the silo cover but it had not been moved over on the transfer rails. This structure is possibly an environmental control structure.

25X1D The majority of the activity at Launch Site 4C-1 since [REDACTED] has been in the vicinity of the southwest silo. A rail-line from the line serving Launch Area 1C has been constructed and will apparently terminate at this silo.

25X1D The rail-bed currently leads to the silo and rail has been laid to the site fence line. A possible foundation measuring approximately 55 by 15 feet is on the end of the road bed adjacent to the silo. An arch-roofed building measuring 55 by 40 feet with a wall or abutment on the front has been constructed along the site access road near the southwest silo. The wall or abutment probably indicates that this building will be earth covered. The wall for this building was first observed on photography of [REDACTED]. Near the southwest corner of this arch-roofed building there is an excavation with a flat-roofed structure measuring approximately 45 by 45 feet. The roof

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is at or slightly below ground level. Photography of [REDACTED] showed four cylindrical objects resembling horizontal tanks in the excavation now covered by the flat roofed structure. There was also an open trench from

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25X1D

this excavation to the southwest silo on the [REDACTED] coverage which has now been backfilled. [REDACTED] the SW silo is open and the top beveled-ring of the silo is on the ground nearby. Within the silo there can be seen four triangular inserts extending into the silo opening which probably supports the inner liner which cannot be seen. There are four openings between the inserts which may be exhaust ducts. Spoil material is also piled on the hardstand adjacent to this open silo. There is considerable construction clutter near the south west silo including construction support structures, piles of materials excavations, a spoil pile, and a plus-shaped marker on the ground.

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G

The Probable Missile Assembly and Checkout Area, located approximately 5 nm NNW of the Launch Complex C Administration Housing and Service Areas, has had continuing expansion and construction activity since [REDACTED]

Six new buildings have been added, two others have been completed and the road pattern and security fencing have been expanded since [REDACTED]

Five of the new buildings have been added in the southwestern corner of the area. These each measure 175 by 60 feet and are single story, gable-roofed, drive-through buildings with 2 bays. Three of these buildings were apparently complete by [REDACTED] and the loop road system serving

them was apparently completed by [REDACTED]. A large earthen blast wall is located between the easternmost building and the older portion of the area. The other two buildings, located south of and across the road from the first three were initially observed under construction in [REDACTED]

[REDACTED]. The buildings were apparently complete by [REDACTED] but no loop road pattern had yet been constructed. Double security fence lines have been extended to include these buildings. At least 50 vehicles/pieces of equipment were observed parked near these 5 buildings on [REDACTED]

A rail served building measuring 115 by 50 feet has been completed in the western portion of the area where a possible building under construction was noted in [REDACTED]. A road network with large radii turns is being extended to serve this building. Security fences have also been extended to include this structure.

A probable unloading shed which may be rail entered has been added east of the rail line serving the area.

H

25X1D The bivouac/training area approximately 2 nm west of Launch Complex E
was observed to be in use by SCUD units on all [REDACTED] over this
portion of the Missile Test Center. Activity consisting of at least two
25X1D bivouaced units and training exercises were observed in [REDACTED]
25X1D [REDACTED] This activity is in addition to
SCUD equipment observed in the troop training area approximately 3 nm to the
25X1D south in [REDACTED]
25X1D No activity of any type could be observed on KH-4 missions [REDACTED]
25X1D [REDACTED]
25X1D [REDACTED] in the bivouac/training areas
while equipment was observed in the troop training area on all of these
coverages.

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Another large revetment was also newly identified east of the 90 by 80 foot rail entered flat roof building in the northwest corner of the area.

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This building, which was identified as a possible shed approximately 75 by 70 feet in [REDACTED], was actually still under construction at that time. It is served by 4 rail lines which enter the southern side.

This area is still felt to be a Probable Assembly and Checkout Area and probably also serves as a receiving area for components.

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